

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

1/21

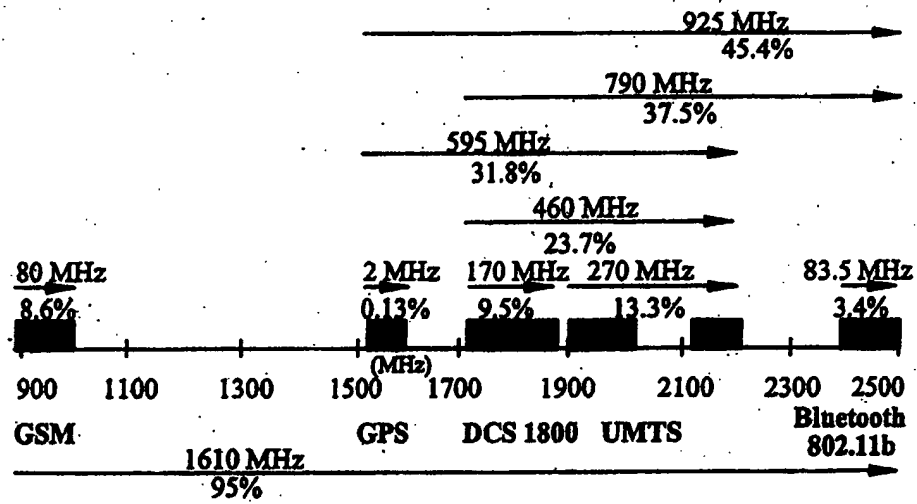


Figure 1

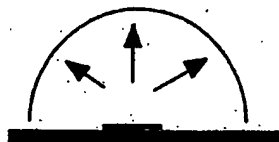


Figure 2

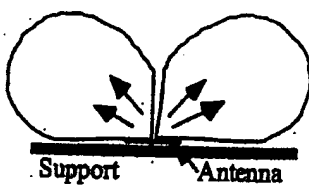


Figure 3

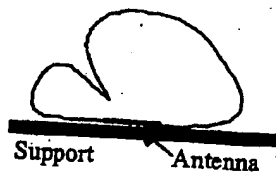


Figure 4

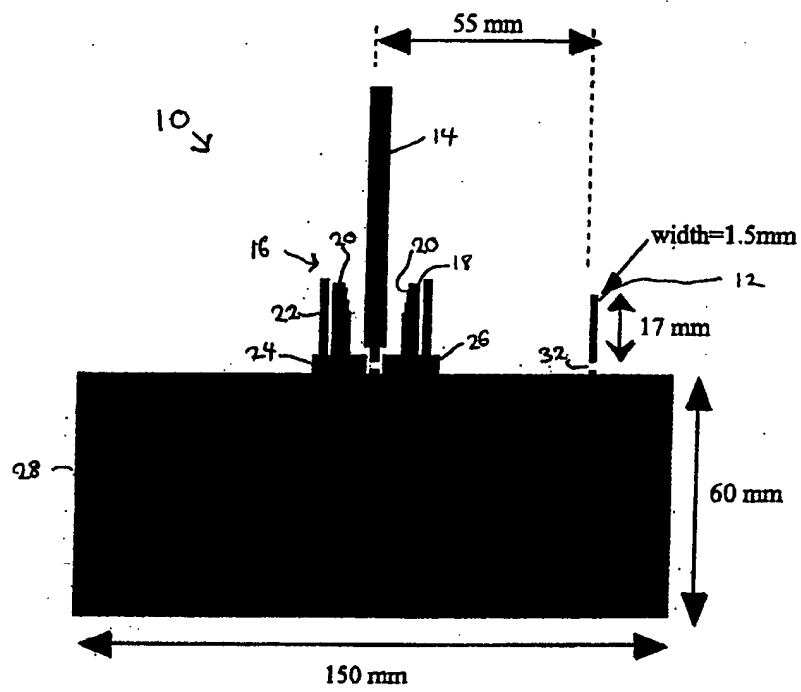
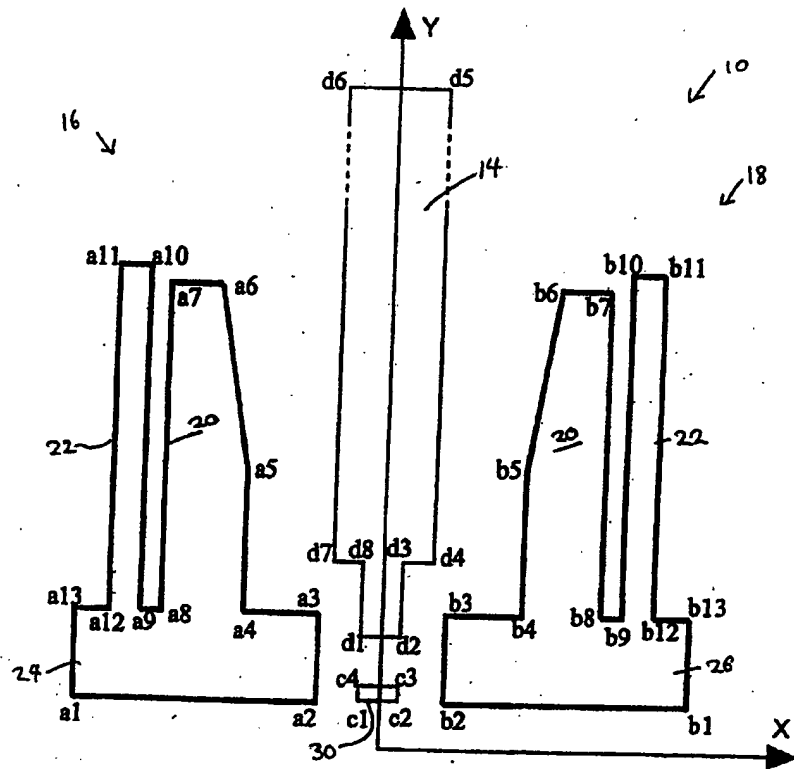


Figure 5



Point	a1	a2	a3	a4	a5	a6	a7	a8	a9
X	-16	-2	-2	-6.5	-6.5	-8	-11	-11	-12
Y	0	0	5	5	14	23	23	5	5

Point	a10	a11	a12	a13
X	-12	-14	-14	-16
Y	24	24	5	5

Point	b1	b2	b3	b4	b5	b6	b7	b8	b9
X	16	2	2	6.5	6.5	8	11	11	12
Y	0	0	5	5	14	23	23	5	5

Point	b10	b11	b12	b13
X	12	14	14	16
Y	24	24	5	5

Figure 6

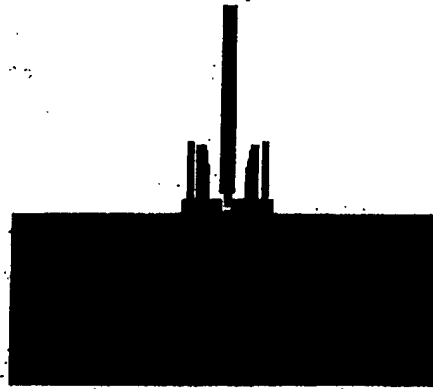


Figure 7

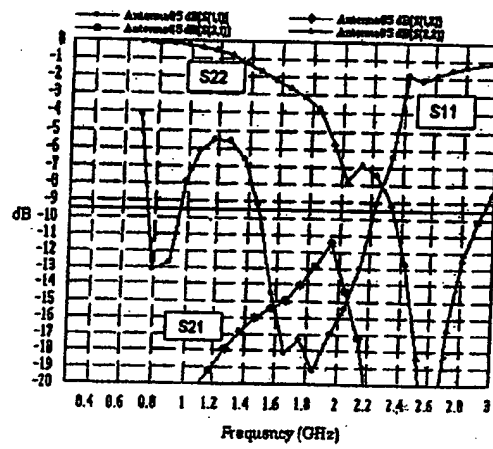


Figure 8

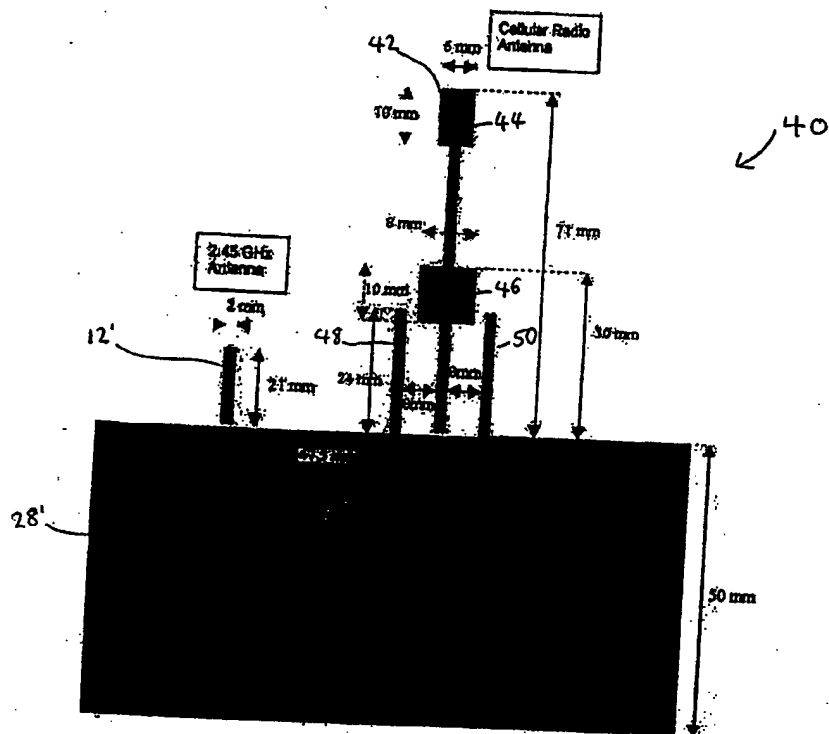


Figure 9

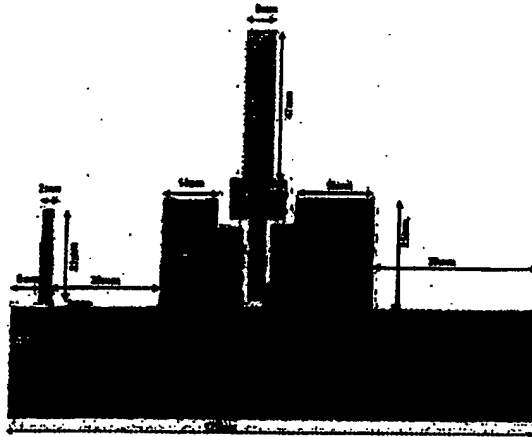


Figure 10

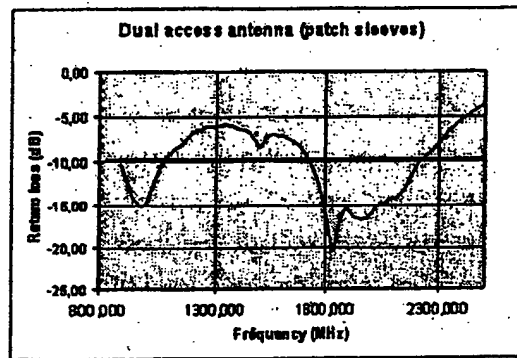


Figure 11

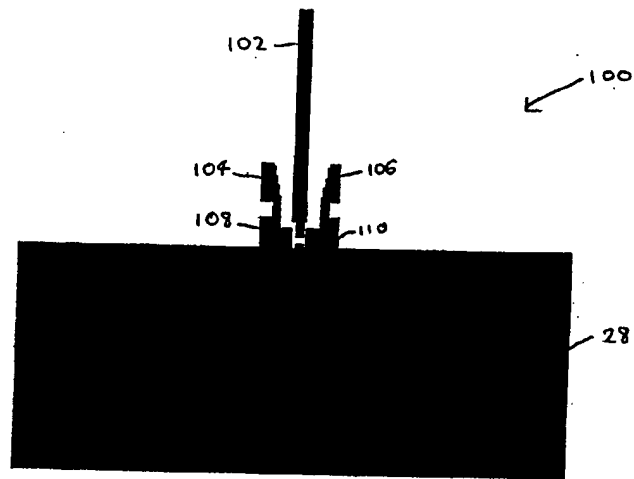


Figure 12

9/21

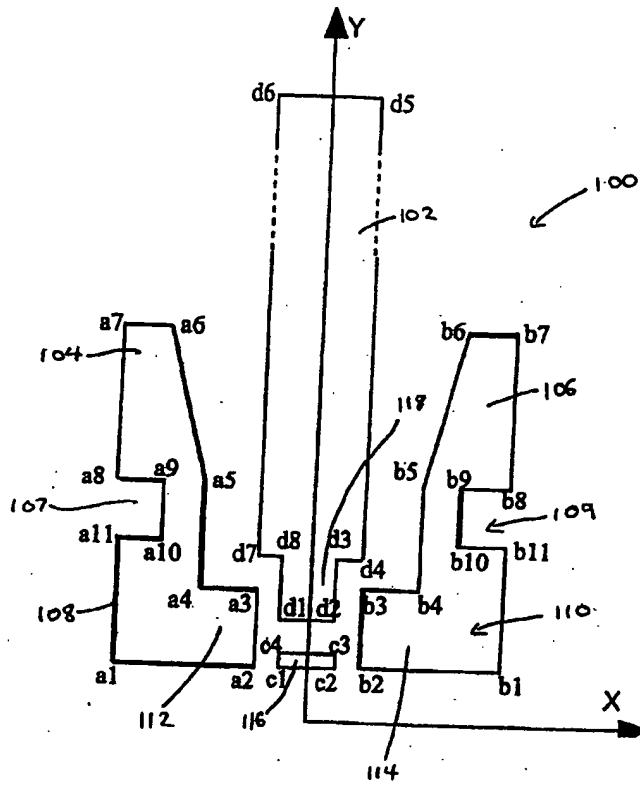


Figure 13

Point	a1	a2	a3	a4	a5	a6	a7	a8	a9	a10	a11
X	-11	-2	-2	-5.5	-5.5	-8	-11	-11	-8	-8	-11
Y	0	0	5	5	12	22	22	12	12	8	8

Point	b1	b2	b3	b4	b5	b6	b7	b8	b9	b10	b11
X	11	2	2	5.5	5.5	8	11	11	8	8	11
Y	0	0	5	5	12	22	22	12	12	8	8

Point	c1	c2	c3	c4
X	-1	1	1	-1
Y	0	0	1	1

Point	d1	d2	d3	d4	d5	d6	d7	d8
X	-1	1	1	2	2	-2	-2	-1
Y	3	3	7	7	62	62	7	7

10/21

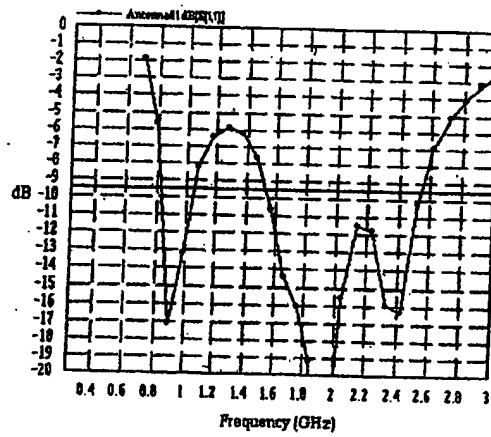


Figure 14

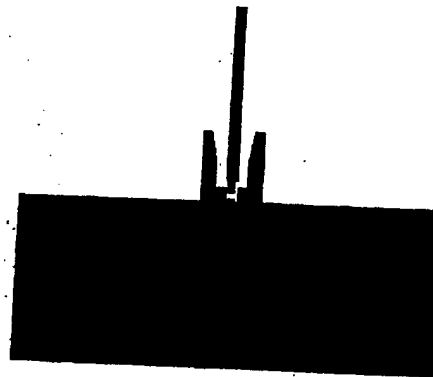


Figure 15

11/21

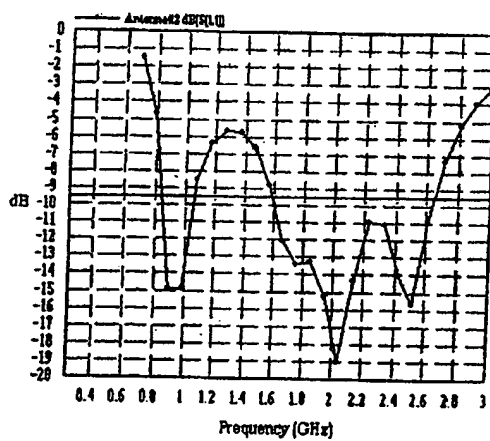


Figure 16

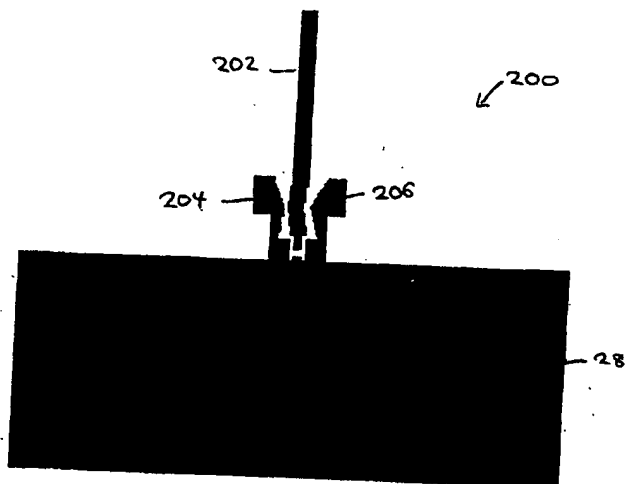
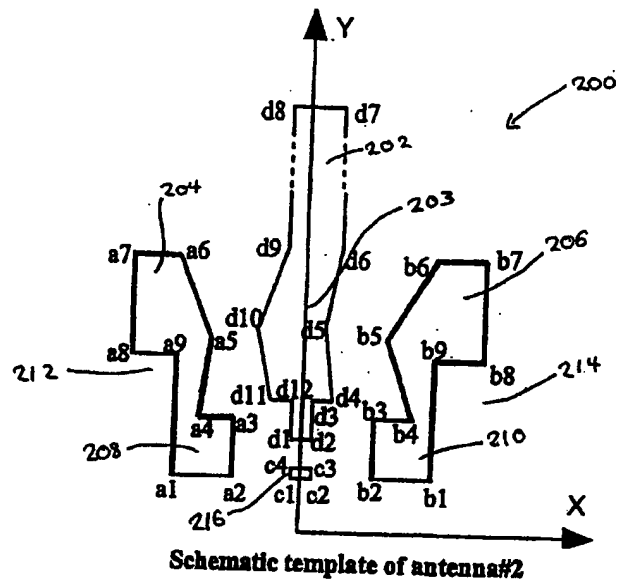


Figure 17



Point	a1	a2	a3	a4	a5	a6	a7	a8	a9
X	-8	-2	-2	-5.5	-4.5	-8	-13	-13	-8
Y	0	0	6	6	14	22	22	12	12

Point	b1	b2	b3	b4	b5	b6	b7	b8	b9
X	8	2	2	5.5	3	8	13	13	8
Y	0	0	6	6	14	22	22	12	12

Point	c1	c2	c3	c4
X	-1	1	1	-1
Y	0	0	1	1

Point	d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	d12
X	-1	1	1	2	1	2	2	-2	-2	-3.5	-2	-1
Y	3	3	7	7	14	22	65	65	22	14	7	7

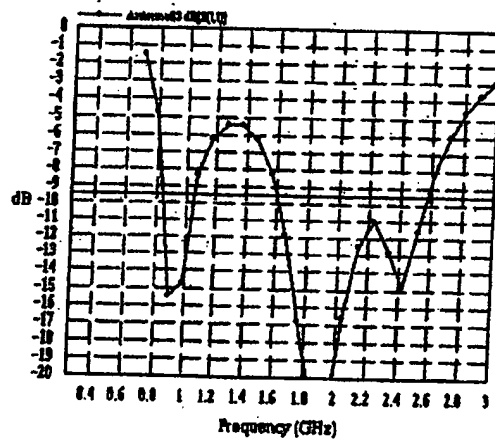


Figure 19

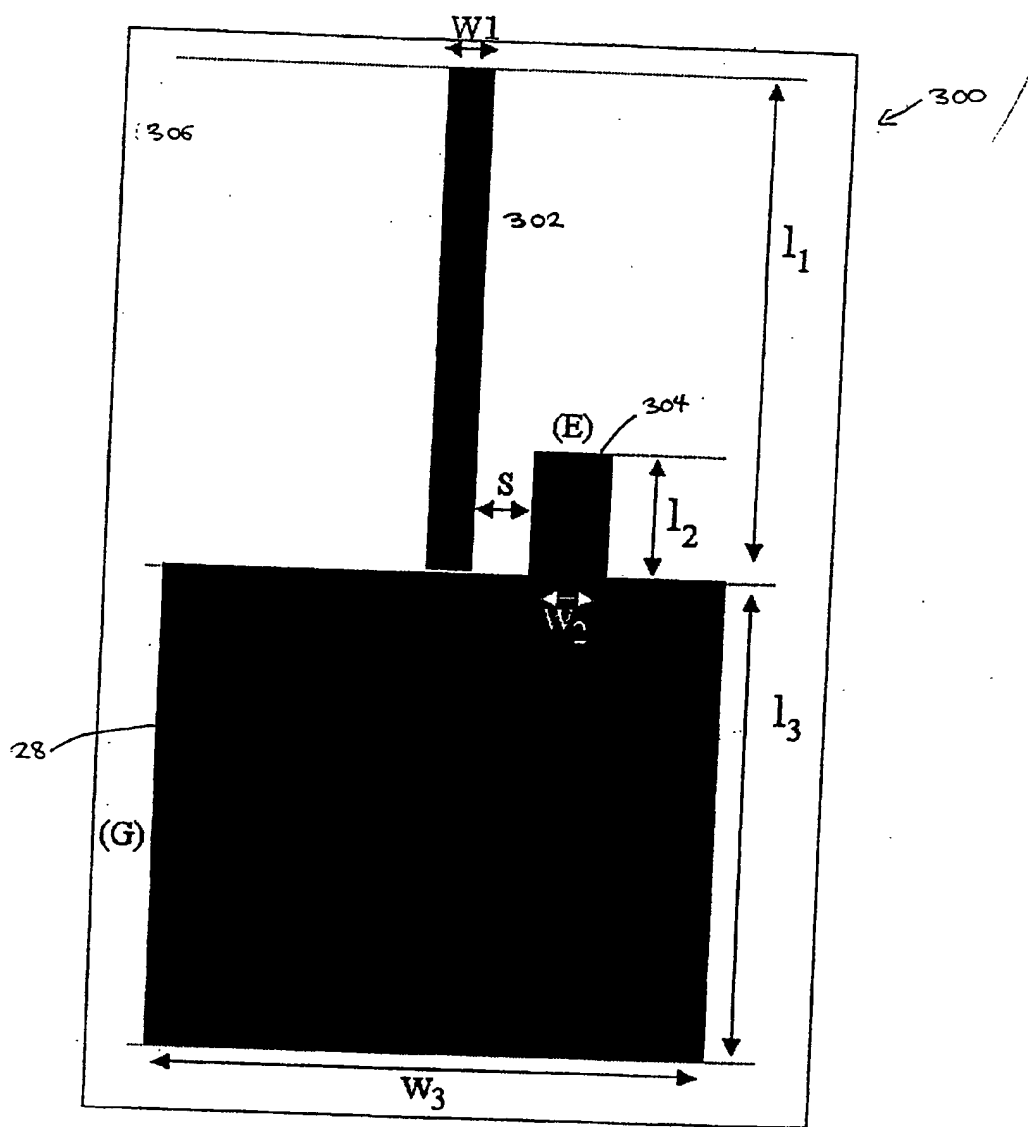


Figure 20

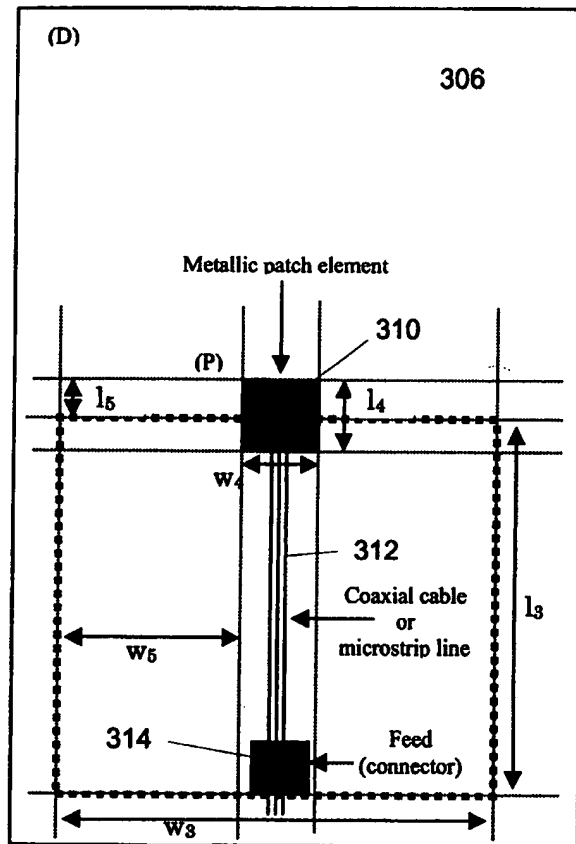


Figure 21

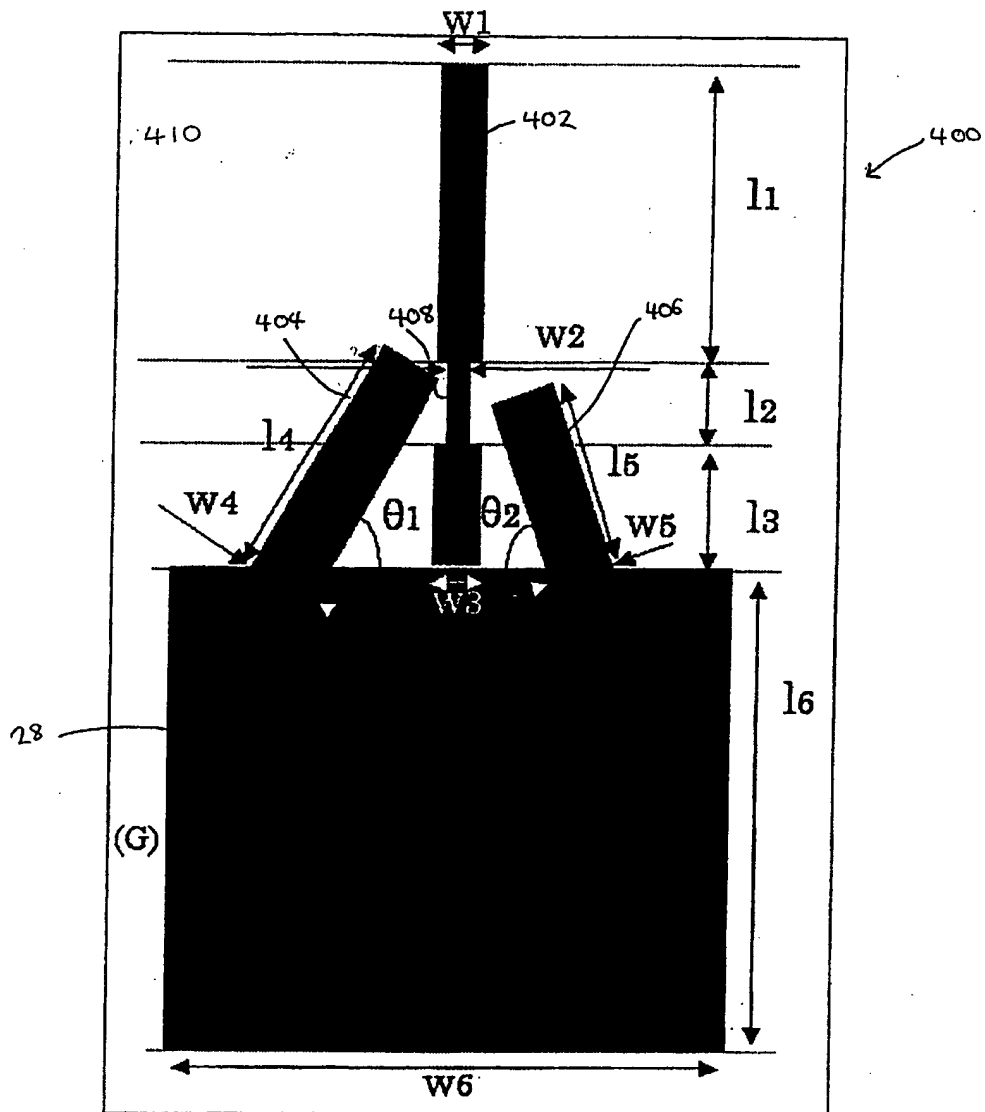


Figure 22

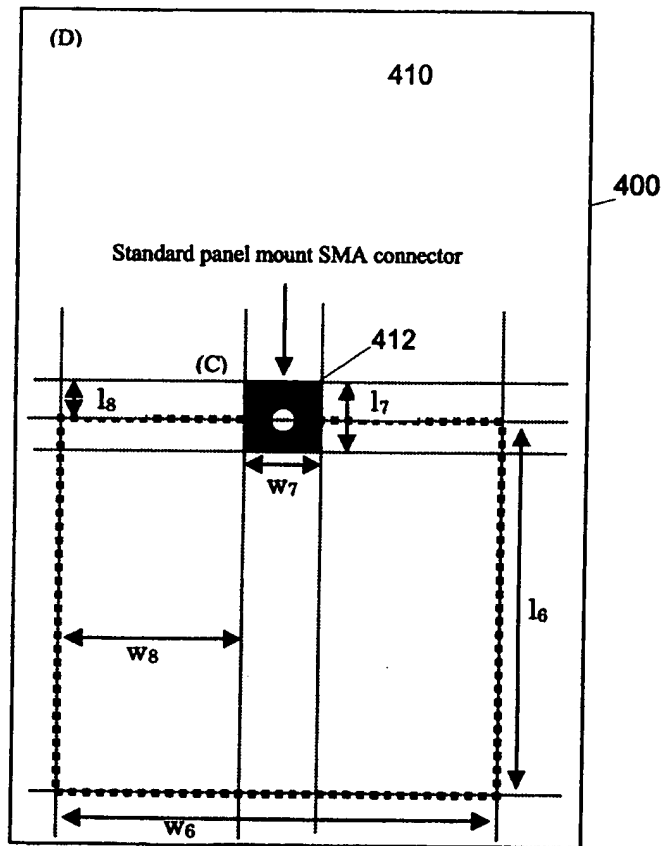
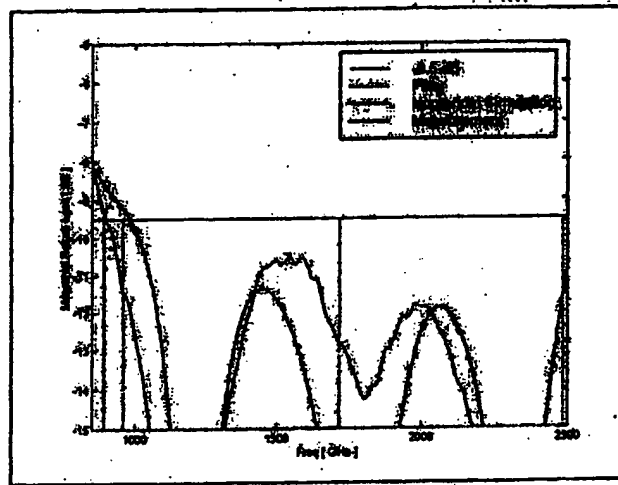


Figure 23



measurement
(241)

numerical
simulation (240)

Figure 24

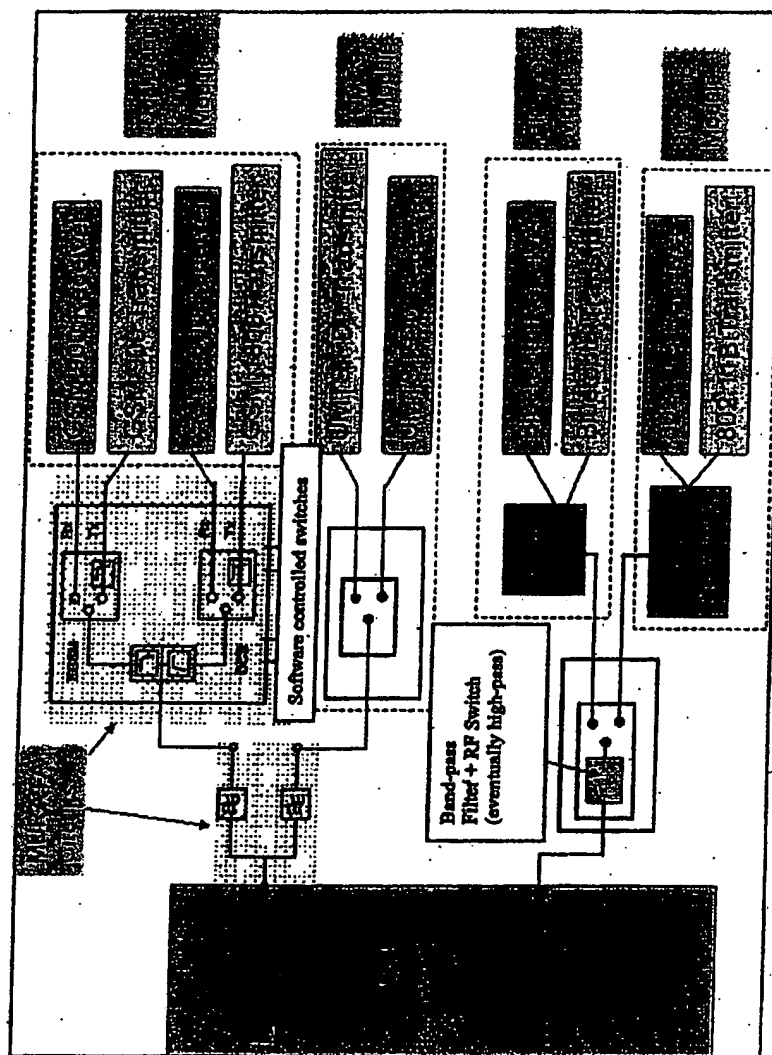


Figure 25

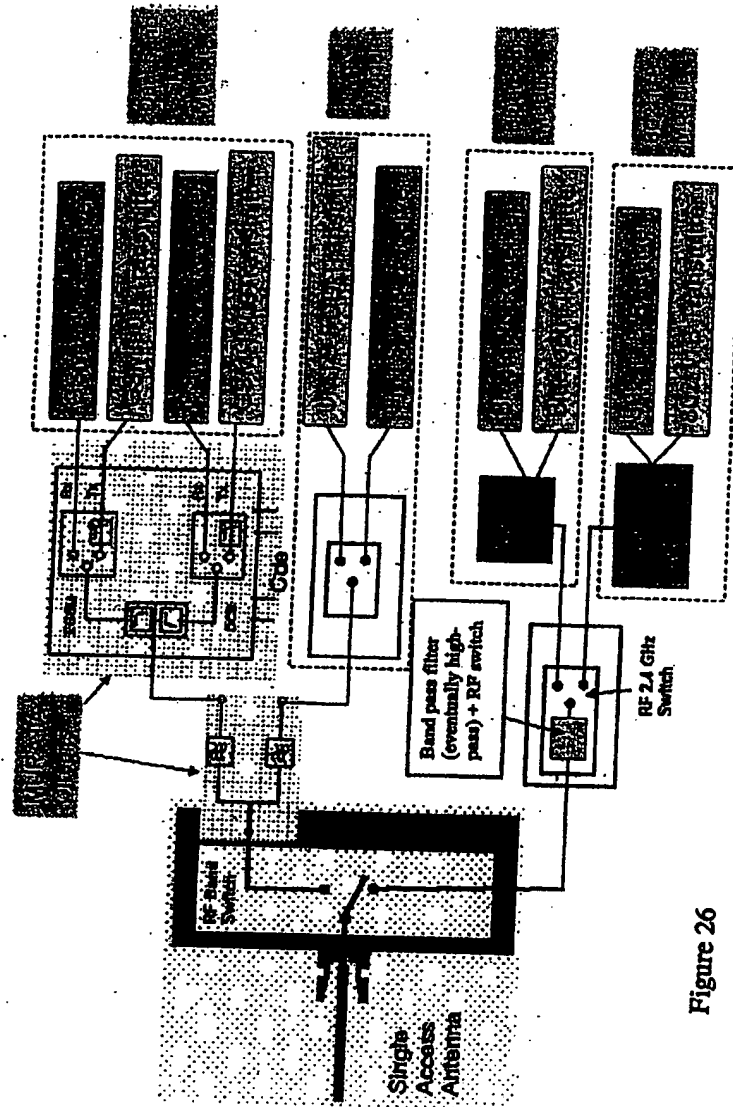


Figure 26

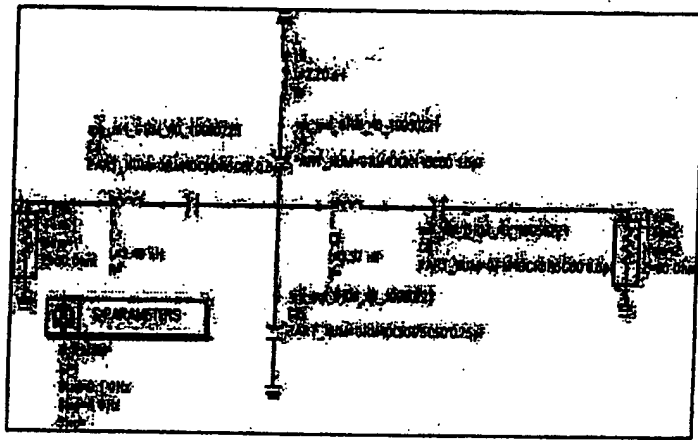


Figure 27